

Raman scattering and quantum confinement in heavily electron-irradiated alkali halides

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Abstract

The Raman scattering and quantum confinement in heavily electron-irradiated alkali halides were discussed. The laser excitation light interacted with both the electronic and vibration systems of the Na colloids. It resulted in to new Raman scattering peaks, which could be associated with electronic and vibrational excitations confined in extremely thin quantum wires.

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